

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended)      A method of generating an output audio signal by adding output components in a predetermined first frequency range to an input signal, the output components being generated by performing a predetermined calculation on first input components in a predetermined second frequency range, characterized in that a first output energy measure, over a predetermined first time interval, of the output components generated is set, based upon a first input energy measure calculated over a predetermined second time interval of second input components, in a predetermined third frequency range of the input audio signal, wherein the predetermined third frequency range is different from the predetermined second frequency range, and is selected from a predetermined number of frequency ranges, as the frequency range which is closest to the first frequency range according to a predetermined frequency range distance formula.

2. (Cancelled).

3. (Original)      A method as claimed in claim 1, wherein the first output energy measure is set by further using a second input energy measure over a predetermined third time interval of third input components, in a predetermined fourth frequency range of the input audio signal.

4. (Original) A method as claimed in claim 1, wherein the predetermined calculation comprises applying a non linear function to first input components in a predetermined second frequency range of an input audio signal.

5. An apparatus for generating an output audio signal by adding output components in a predetermined first frequency range to an input audio signal, said apparatus comprising:

.....calculation means for calculating the output components from first input components in a predetermined second frequency range of the input audio signal;—characterized in that:

— filtering means are comprised for obtaining second input components in a third frequency range of the input audio signal;

— energy calculation means are comprised for obtaining a first input energy measure over a second predetermined time interval of the second input components and deriving therefrom a first output energy measure; and

— energy setting means are comprised for setting the energy of the output components over a first predetermined time interval substantially equal to the first output energy measure.

wherein the predetermined third frequency range is different from the predetermined second frequency range, and is selected from a predetermined number of frequency ranges, as the frequency range which is closest to the first frequency range according to a predetermined frequency range distance formula.

6. (Currently Amended) An audio player, comprising:  
.....audio data input means for providing an input audio  
signal;  
.....~~to an apparatus for generating an output audio signal as~~  
25 ~~claimed in claim 5, the apparatus delivering; and~~  
.....~~signal output means for receiving the an output audio~~  
~~signal to signal output means from said apparatus.~~

7. (Cancelled).

8. (Previously Presented) A data carrier storing a computer  
program for execution by a processor, the computer program  
describing ~~causing the processor to execute the method as claimed~~  
in claim 1.